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PATENT SPECIFICATION

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Complete Specification Accepted: Jan. 18, 1937.

EXAMINER'S

COPY

Div. 27

459,921

PROVISIONAL SPECIFICATION

Improvements relating to Floor-polishing or -cleaning Devices

We, REGINALD FRANK BAKER, of Hatt Common, Newbury, Berkshire, England, and HUBERT AMORY PREECE, of 91, High Street, Thame, Oxfordshire, England, both subjects of the King of Great Britain, do hereby declare the nature of this invention to be as follows:—

This invention relates to floor-polishing or cleaning devices of the general kind comprising a shaft or handle carrying a member serving as a support or base for a piece of textile or other material to which for instance a polish or cleanser is applied or which may be used as a polishing or drying cloth as the case may be.

According to the principal feature of the invention a number of superposed layers of the textile or other material are secured to the base or support so that these layers can be readily removed successively without disturbing the other layers in order to expose a new or clean layer as required. For example a continuous strip of textile or other material may be wrapped around the support or base so as to cover the top and bottom as well as the front and rear sides thereof, the superposed layers of the material being secured to the base at the said sides and to one another at these sides, the layers being arranged to be exposed for use successively by cutting the material adjacent the said sides. If desired these superposed layers may be secured to one another and to the support at the front or the rear side only so that by cutting the outer layer closely adjacent this side a new or clean layer is exposed for use both at the top and bottom of the support which may be so mounted as to be reversible. When however the layers are secured to both the front and rear sides and to one another at these sides a new or clean layer may be exposed either at the bottom or at the top of the support as desired. It will however be evident that the superposed layers may be applied to the bottom of the support or base by folding a strip of the material backwards and forwards along the bottom and securing these strips together and to the back and front sides of the support closely adjacent the folds.

In order that the nature of the inven-

tion may be readily understood an embodiment thereof will now be described by way of example in which the support or base of the floor-polishing or -cleaning device comprises two rectangular blocks preferably of wood pivotally mounted upon a cross shaft extending at right angles to, and carried by, an extension of a socket member adapted to receive the handle of the device, the said extension projecting between the two blocks which are arranged one at each side thereof. Washers are provided on the cross shaft these washers being interposed between the blocks and the extension of the socket member in order to avoid undue wear of the blocks and these washers may if desired be spring washers so as to absorb to some extent lateral shocks due to the blocks striking articles of furniture or the like while the device is in use. At the outer ends of the cross shaft are provided spring clips adapted to engage in annular grooves in the cross shaft so as to maintain the blocks in position on the cross shaft.

In order to prevent rotation of the blocks with respect to one another around the cross shaft a pin may be secured in one block so as to project from the inner side of one block, this pin being accommodated in an aperture in the inner side of the other block.

Around each block a continuous strip of textile material is wrapped so as to cover the top and bottom as well as the front and rear sides thereof with a number of superposed layers, which are secured to the front and rear sides of the block by rows of nails. The outer sides of the blocks may be covered with felt or the like in order to absorb shocks due to the blocks coming into contact with articles of furniture or the like while the device is in use.

As will be evident the support comprising the two blocks is reversible in use by rotating the said support around the cross shaft and therefore the textile material at the top and bottom of the support may be brought into use as required. When it is desired to expose a new or clean layer of the material either at the top or

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bottom of the support it is only necessary to cut the material of the soiled layer adjacent each row of nails. Instead of securing the layers of material to the blocks and to one another by nails any other suitable securing means may be employed or adhesive may be used for this purpose.

When all the layers of material have been used the blocks may readily be removed from the cross shaft after removing the spring clips referred to hereinbefore and a new pair of blocks provided with a number of superposed layers of

textile material secured upon the cross shaft by means of the spring clips.

It will be evident that the invention is not limited to the particular construction and arrangement of the parts hereinbefore described which may be varied as desired to suit particular requirements without exceeding the scope of the invention.

Dated this 16th day of July, 1935.

COPE & Co.,
Agents for the Applicants,
65, Victoria Street, London, S.W.1.

COMPLETE SPECIFICATION

Improvements relating to Floor-polishing or -cleaning Devices

We, REGINALD FRANK BAKER, of Hatt Common, Newbury, Berkshire, England, and HUBERT AMORY PREECE, of 91, High Street, Thame, Oxfordshire, England, both subjects of the King of Great Britain, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to floor-polishing or -cleaning devices comprising a shaft or handle carrying a member serving as a support or base for a piece of textile or other material to which for instance a polish or cleanser is applied or which may be used as a polishing or drying cloth as the case may be.

The device of the invention is of the kind comprising, as has previously been proposed, a piece of textile material in a continuous strip wrapped around a base or support therefor in a number of layers adapted to be removed successively in order to expose a new or clean layer when required and according to the principal feature of the invention this base or support is freely pivotally mounted on the shaft or handle of the device in such a manner that the base or support is completely reversible in use thus permitting substantially the whole of each layer of the textile material to be completely used before removal. The superposed layers of the material may be secured to the base and to one another at the front and rear sides of the base, the layers being arranged to be exposed for use successively by cutting the material adjacent the said sides. If desired these superposed layers may be secured to one another and to the support at the front or the rear side only so that by cutting the outer layer closely adjacent this side a new or clean layer is exposed for use both at

the top and bottom of the support. When however the layers are secured to both the front and rear sides and to one another at these sides a new or clean layer may be exposed either at the bottom or at the top of the support as desired.

In order that the invention may be readily understood an embodiment thereof will now be described by way of example, with reference to the accompanying drawings in which:—

Figures 1 and 2 are plan and side elevational views respectively of the improved device, the shaft or handle being broken away, and

Figures 3 and 4 are perspective views illustrating two alternative methods of securing the superposed layers of textile or other material to the base or support of the device.

Referring now to the drawings, the support or base of the floor-polishing or -cleaning device comprises two rectangular blocks 1 preferably of wood pivotally mounted upon a cross shaft 2 extending at right angles to, and carried by, an extension 3 of a socket member 4 adapted to receive the shaft or handle 5 of the device, the extension 3 projecting between the two blocks which are arranged one at each side thereof. Spring washers 6 are provided on the cross shaft 2 these washers being interposed between the blocks 1 and the extension 3 of the socket member 4 in order to avoid undue wear of the blocks and to absorb to some extent lateral shocks due to the blocks striking articles of furniture or the like while the device is in use. At the outer ends of the cross shaft are provided spring clips 7 adapted to engage in annular grooves in the cross shaft so as to maintain the blocks 1 in position on the cross shaft 2.

In order to prevent rotation of the blocks 1 with respect to one another

around the cross shaft 2 a pin 8 is secured in one block 1 so as to project from the inner side of one block, this pin being accommodated in an aperture in the inner side of the other block.

Around each block a continuous strip of textile or other material 9 is wrapped so as to cover the top and bottom as well as the front and rear sides thereof with a number of superposed layers, which are secured to the front and rear sides of the block by rows of nails 10 as shown in Figure 3. The outer sides of the blocks are provided with felt or the like pads 11 in order to absorb shocks due to the blocks coming into contact with articles of furniture or the like while the device is in use.

As will be evident the support comprising the two blocks 1 is reversible in use by rotating the said support around the cross shaft and therefore the textile or other material 9 at the top and bottom of the support may be brought into use as required. When it is desired to expose a new or clean layer of the material either at the top or bottom of the support it is only necessary to cut the material of the soiled layer adjacent each row of nails 10. Instead of securing the layers of material 9 to the blocks 1 and to one another by nails any other suitable securing means may be employed or adhesive may be used for this purpose.

When all the layers of material have been used the blocks 1 may readily be removed from the cross shaft 2 after removing the spring clips 7 and a new pair of blocks provided with a number of superposed layers of textile material secured upon the cross shaft by means of the spring clips.

The securing means for the layers of material 9 may be arranged to be readily releasable so that when all the layers have been used the same blocks can be readily provided with new layers which may be readily secured at the front and rear sides of the blocks. For instance, a spring clip may be provided for securing the layers of material as shown in Figure 4. In this case the front and rear sides of the blocks are grooved as at 12 and the spring clip serves to press the layers of material into the groove and hold them securely in position, the spring clip comprising a front portion 13, side portions 14 and inwardly extending portions 15 engaging in apertures in the outer sides of the block. As will be evident the spring clip may be readily rotated around the inwardly extending portions 15 as axis so as to release layers of material left under the front portion 13 of the clip after the

top and bottom layers have been cut away.

It will be evident that the invention is not limited to the particular construction and arrangement of the parts hereinbefore described which may be varied as desired to suit particular requirements without exceeding the scope of the invention.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A floor-polishing or -cleaning device of the kind described in which the base or support for the textile or other material is freely pivotally mounted on the shaft or handle of the device in such a manner that the base or support is completely reversible in use, for the purpose specified.

2. A floor-polishing or -cleaning device as claimed in Claim 1, in which the superposed layers of material are secured to the base and to one another at the front and/or rear sides of the base, the layers being arranged to be exposed for use successively by cutting the material adjacent one or both of the said sides.

3. A floor-polishing or -cleaning device as claimed in either of the preceding claims in which the support or base comprises two blocks pivotally mounted upon a cross shaft extending at right angles to, and carried by, an extension of the shaft or handle of the device.

4. A floor-polishing or -cleaning device as claimed in Claim 3, in which spring washers are provided on the cross shaft, these washers being interposed between the blocks and the extension of the shaft or handle, which projects between the two blocks which are arranged one at each side thereof.

5. A floor-polishing or -cleaning device as claimed in Claim 3, in which the blocks are maintained in position on the cross shaft by readily releasable means such as spring clips.

6. A floor-polishing or -cleaning device as claimed in Claim 3, in which rotation of the blocks with respect to one another around the cross shaft is prevented, substantially as described.

7. A floor-polishing or -cleaning device as claimed in Claim 1 or 2, in which the layers of material are secured by readily releasable means such as a spring clip or clips.

8. A floor-polishing or -cleaning device constructed and arranged substantially as described with reference to Figures 1—3 or to Figures 1, 2 and 4 of the accompanying drawings.

Dated this 16th day of July, 1936.

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65, Victoria Street, London, S.W.1.

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Fig. 1.

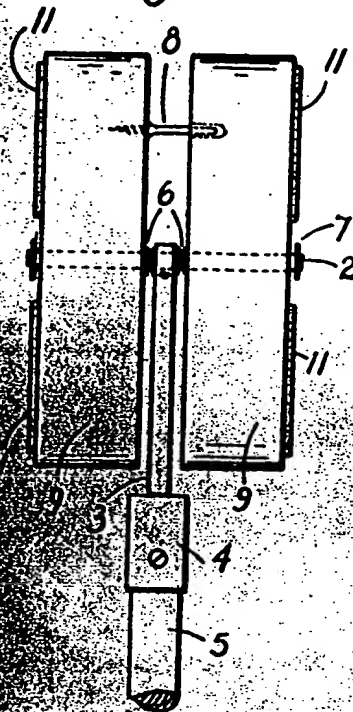


Fig. 2.

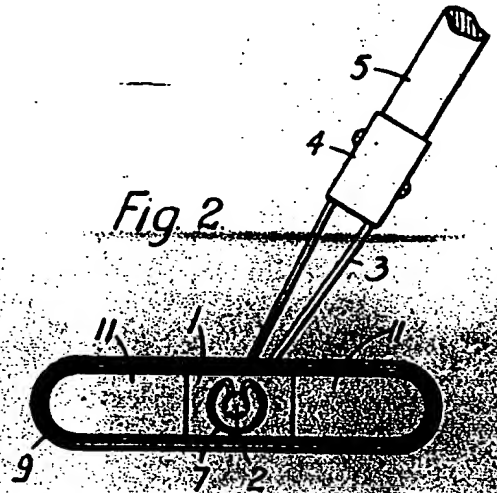


Fig. 3.

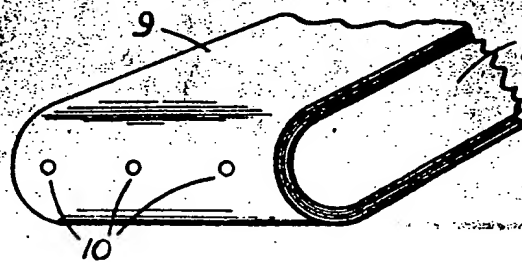


Fig. 4.

